

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A spread spectrum reception apparatus comprising:

a RAKE-combination-unit; and

a RAKE-combination signal detection unit, wherein

said RAKE-combination-unit includes,

a plurality of inverse-spread units, each of which inverse-spreads a spread spectrum ~~being~~ signal that is spread-modulated and transmitted, ~~using said plurality of~~ inverse-spread units configured to use an inverse-spread code being that is delayed for a predetermined time, ~~whereby the~~ wherein a predetermined ~~delay time~~ time-delayed signal is separated in time from the spread spectrum signal[[;]],

a combining unit which RAKE-combines [[the]] respective signal signals that are inverse-spread by said plurality of inverse-spread units[[;]], and

a delay unit which delays the inverse-spread codes supplied to said ~~inverse-spread~~ inverse-spread units based on a delay control signal input from outside, and said RAKE-combination signal detection unit includes,

a delay profile generation unit which generates a delay profile with a correlation electric power value obtained by converting a correlation value of the spread spectrum signal and a reference spread code into an electric power value and ~~the~~ an associated delay time[[;]],

a correction coefficient storing unit which stores already calculated correction coefficient based on time correlation between interference and thermal noise by each deviation of the delay time[[;]],

a delay profile correction unit which measures a deviation between a delay time of a signal whose correlation electric power value is maximum and a delay time

of a signal in the delay profile and corrects a correlation electric power value in the delay profile using a result obtained by multiplying a correction coefficient read from said correction coefficient storing unit corresponding to the measured deviation by a maximum electric power value in the delay profile; and

a signal detection unit which detects a signal whose correlation electric power value becomes maximum in the delay profile ~~produced~~ generated by said delay profile ~~producing generation unit and to output~~ outputs delay time of ~~[[the]]~~ a detected signal as a first delay control signal and a delay time of a signal whose correlation electric power value becomes maximum in ~~[[the]]~~ a corrected delay profile corrected by said delay profile correction unit as a second delay control signal to the delay unit.

Claim 2 (Original): The spread spectrum reception apparatus according to claim 1, wherein said delay profile correction unit includes

an average calculating unit which calculates an average of the correlation electric power value of the delay profile, and

said delay profile correction unit multiplies a value obtained by subtracting the average calculated by said average calculating unit from a maximum correlation electric power value in the delay profile by a correction coefficient.

Claim 3 (Currently Amended): The spread spectrum reception apparatus according to claim 1, wherein said delay profile ~~producing generation unit includes~~ comprises:

a threshold value discriminating unit which compares the correlation electric power value with a predetermined threshold value and decides whether the correlation electric power value is equal to or more than the predetermined threshold value, and

said delay profile ~~producing generation unit produces~~ is configured to generate a

delay profile based on a correlation electric power value that is greater than the predetermined threshold value.

Claim 4 (Currently Amended): The spread spectrum reception apparatus according to claim 3, wherein said delay profile ~~producing~~ generation unit ~~includes,~~ comprises:

a correlation electric power value storing unit which stores the correlation electric power value of a signal for which the threshold value discriminating unit decides that the correlation power value is greater than the predetermined threshold value; and

a delay time storing unit which stores a delay time of ~~[[the]]~~ a signal whose correlation electric power value is greater than the threshold value.

Claim 5 (Currently Amended): ~~[[The]]~~ A spread spectrum reception method of detecting a plurality of signals whose correlation value is greater based on a delay profile produced with a correlation value of a reception spread spectrum signal and a reference spread code, ~~to use an inverse spread code delayed corresponding to a delay time the detected signal to RAKE combine signals separated from the reception spectrum spread signal, the method comprising: the steps of:~~

producing a delay profile based on a correlation electric power value obtained by converting the correlation value to electric power;

firstly detecting a delay time of a signal whose correlation electric power value is a maximum of the delay profile produced in the ~~delay profile~~ producing step;

measuring a deviation between the delay time detected in the first detecting step ~~in the first RAKE combination signal detection step~~ and ~~[[the]]~~ a delay time of any other signal in the delay profile;

correcting the delay profile using a correction coefficient corresponding to ~~[[the]]~~ a

calculated deviation, ~~which said~~ correction coefficient is obtained from already stored plurality of correction coefficients calculated from time correlation between interference and noise due to temperature, and the correlation electric power value of a signal detected in ~~the first RAKE combination signal detection~~ the detecting step; and
secondly detecting a delay time of a signal whose correlation electric power value becomes a maximum based on ~~[[the]]~~ a corrected delay profile in the ~~delay profile correction~~ correcting step.

Claim 6 (Currently Amended): The spread spectrum reception method according to claim 5, wherein ~~[[at]]~~ the ~~delay profile correction~~ correcting step~~[[,]]~~ further comprises:

calculating an average of correlation electric power values of the delay profile; ~~[[is]]~~ calculated and

correcting the correlation electric power value of the delay profile ~~is corrected~~ using the calculated average.

Claim 7 (Currently Amended): The spread spectrum reception method according to claim 5, wherein ~~[[at]]~~ the ~~delay profile producing~~ step~~[[,]]~~ further comprises:

comparing the correlation electric power value ~~is compared~~ with a predetermined threshold value; and

producing a delay profile ~~is produced~~ based on a signal whose correlation electric power value is greater than the threshold value.